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COMMITTEE OF EXPERTS ON THE  
TRANSPORT OF DANGEROUS GOODS

Sub-Committee of Experts on the  
Transport of Dangerous Goods  
(Fifteenth session,  
Geneva, 29 June-10 July 1998)

DRAFT AMENDMENTS TO THE MODEL REGULATIONS  
ON THE TRANSPORT OF DANGEROUS GOODS

Use of packagings and IBCs

N Type Packagings

Transmitted by the Expert from the United States of America

Background

1 During the thirteenth session of the Sub-Committee, the expert from the United States agreed to develop a proposal to provide for metal drums made from metals other than steel or aluminium (N type packagings) in the Model Regulations. Such drums are already in usage. Drums made of nickel alloy, for example, would qualify for an "N" marking. This paper proposes to provide for these types of packagings.

2 The construction requirements of 6.1.4.1.1 are relevant to drums made of metals other than aluminium or steel. On this basis, the expert from the United States proposes an amendment to 6.1.4.1 to accommodate such drums.

**Proposal**

3. Revise paragraph 6.1.4.1 as follows:

**6.1.4. Steel drums and drums of metals other than aluminium or steel**

- 1A1 steel, non-removable head  
 1A2 steel, removable head  
 1N1 metal other than aluminium or steel, non-removable head  
 1N2 metal other than aluminium or steel, removable head

4. Modify the first two sentences of paragraph 6.1.4.1.5 to incorporate the new "N" markings by adding the underlined, bold text below:

6.1.4.1.5 Openings for filling, emptying and venting in the bodies or heads of non-removable head (1A1, **or 1N1**) drums shall not exceed 7 cm in diameter. Drums with larger openings are considered to be of the removable head type (1A2, **or 1N2**).

5. Modify the table in 6.1.2.7 to incorporate the new "N" markings by adding the underlined, bold text below:

|    |          |                                |                                  |                   |
|----|----------|--------------------------------|----------------------------------|-------------------|
| 1. | Drums A. | Steel                          | non-removable head               | 1A1               |
|    |          |                                | removable head                   | 1A2               |
|    |          | <b><u>Metal,</u></b>           | <b><u>non-removable head</u></b> | <b><u>1N1</u></b> |
|    |          | <b><u>other than steel</u></b> | <b><u>removable head</u></b>     | <b><u>1N2</u></b> |
|    |          | <b><u>or aluminium</u></b>     |                                  |                   |

B. Aluminium. . . (table continues)